

EROSION CONTROL NOTES

SCDHEC STANDARD NOTES:

1. If necessary, slopes, which exceed eight (8) vertical feet should be stabilized with synthetic or vegetative mats, in addition to hydroseeding. It may be necessary to install temporary slope drains during construction. Temporary berms may be needed until the slope is brought to grade.
- 2.Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than fourteen (14) days after work has ceased, except as stated below.
Where stabilization by the 14th day is precluded by snow cover or frozen ground conditions stabilization measures must be initiated as soon as practicable.
Where construction activity on a portion of the Site is temporarily ceased, and earth-disturbing activities will be resumed within 14 days, temporary stabilization measures do not have to be initiated on that portion of the Site.
- 3.All sediment and erosion control devices shall be inspected every seven (7) days. If site inspections identify BMPs that are damaged or are not operating effectively, maintenance must be performed as soon as practical or as reasonably possible and before the next storm event whenever practicable.
- 4.Provide silt fence and/or other control devices, as may be required, to control soil erosion during utility construction. All disturbed areas shall be cleaned, graded, and stabilized with grassing immediately after the utility installation. Fill, cover, and temporary seeding at the end of each day are recommended. If water is encountered while trenching, the water should be filtered to remove any sediments before being pumped back into any waters of the State.
- 5.All erosion control devices shall be properly maintained during all phases of construction until the completion of all construction activities and all disturbed areas have been stabilized. Additional control devices may be required during construction in order to control erosion and/or offsite sedimentation. All temporary control devices shall be removed once construction is complete and the site is stabilized.
- 6.The contractor must take necessary action to minimize the tracking of mud onto paved roadway(s) from construction areas and the generation of dust. The contractor shall daily remove mud/soil from pavement, as may be required.
- 7.Residential subdivisions require erosion control features for infrastructure as well as for individual lot construction. Individual property owners shall follow these plans during construction or obtain approval of an individual plan in accordance with S.C Reg. 72-300 et seq. and SCR100000.
- 8.Temporary diversion berms and/or ditches will be provided as needed during construction to protect work areas from upslope runoff and/or to divert sediment-laden water to appropriate traps or stable outlets.
- 9.All waters of the State (WoS), including wetlands, are to be flagged or otherwise clearly marked in the field. A double row of silt fence is to be installed in all areas where a 50-foot buffer can't be maintained between the disturbed area and all WoS. A 10-foot buffer should be maintained between the last row of silt fence and all WoS.
10. Litter, construction debris, oils, fuels, and building products with significant potential for impact (such as stockpiles of freshly treated lumber) and construction chemicals that could be exposed to storm water must be prevented from becoming a pollutant source in storm water discharges.

GENERAL NOTES

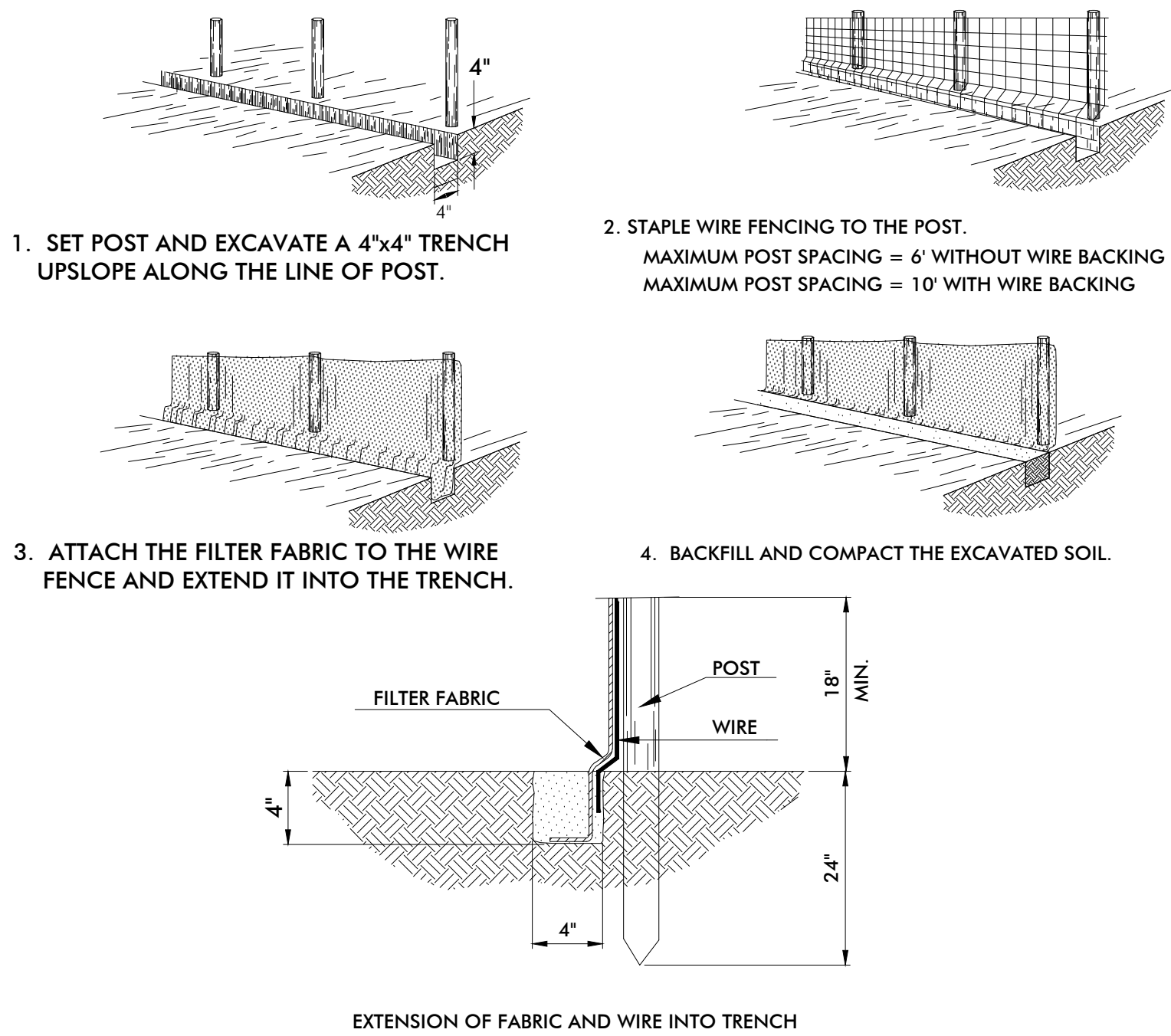
1. TEMPORARY AND/OR PERMANENT EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTHWORK OPERATIONS.
2. SEDIMENT PONDS, SILT FENCING AND/OR OTHER EROSION CONTROL DEVICES WILL BE REQUIRED TO CONTROL EROSION AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THESE MEASURES THROUGHOUT CONSTRUCTION. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY EXCAVATION OR TOPSOIL STRIPPING WORK.
3. ANY FINES, PENALTIES, OR OTHER COSTS ASSESSED BY STATE, LOCAL OR OTHER GOVERNMENTAL AGENCIES FOR NON-PERFORMANCE OF THE EROSION CONTROL REQUIREMENTS OF THIS PROJECT AGAINST THE AIRPORT AUTHORITY SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR, AND ANY SUCH ASSESSMENTS, IF NOT PAID BY THE CONTRACTOR, WILL BE DEDUCTED FROM MONIES DUE AT THE COMPLETION OF THE PROJECT.

MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCTION RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE TO MAINTAIN ALL PRACTICES AS DESIGNED. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
2. SEDIMENT WILL BE REMOVED FROM THE TEMPORARY CHECK DAMS WHEN STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. GRAVEL SHALL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.
3. SEDIMENT WILL BE REMOVED FROM BEHIND THE TEMPORARY SILT FENCE WHEN IT BECOMES APPROX. 0.5 FT. DEEP AT THE FENCE. THE TEMPORARY SILT FENCE SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. TEMPORARY DIVERSION DITCHES SHALL BE CHECKED AFTER EVERY RAINFALL AND ANY SIGNIFICANT SEDIMENT BUILD UP SHALL BE REMOVED.

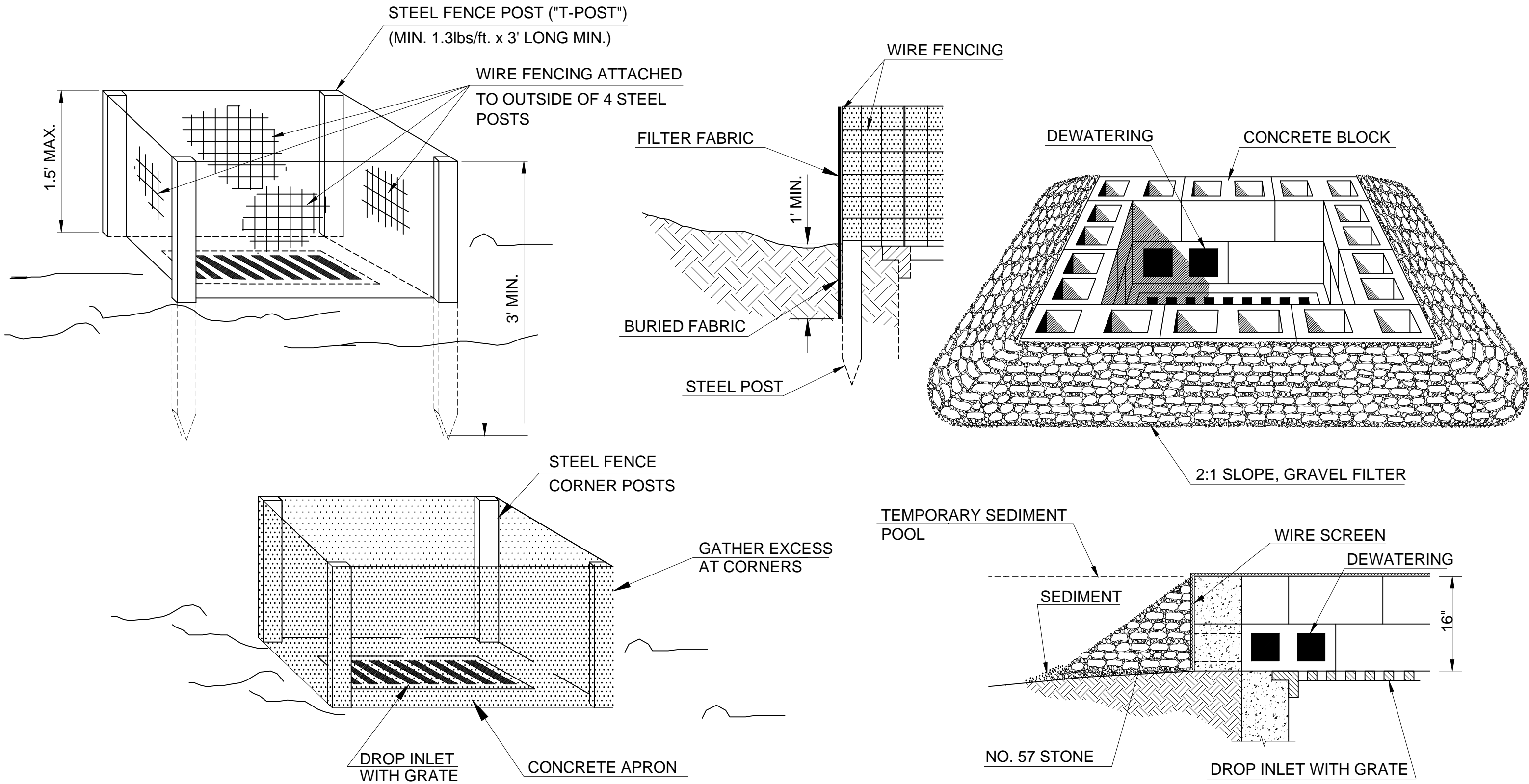
SEQUENCE OF EROSION CONTROL ACTIVITIES FOR CONSTRUCTION

1. Receive NPDES coverage from DHEC
2. Pre-construction meeting
3. Notify DHEC EQC Regional office or OCRM office 48 hours prior to beginning land-disturbing activities
4. Installation of construction entrance(s)
5. Clearing & grubbing only as necessary for installation of perimeter controls
6. Installation of perimeter controls (e.g. silt fence)
7. Grubbing only in areas of basins
8. Installation of basins (outlet structures must be completely installed as shown on the details before proceeding to next step; areas draining to these structures cannot be disturbed until the structure is completely installed)
9. Grubbing of site (sediment and erosion control measures for these areas must already be installed)
10. Rough grading
11. Installation of storm drain system and placement of inlet protection as each inlet is installed
12. Fine grading, gravel road, etc.
13. Permanent / final stabilization
14. Clean-out of detention basins that were used as sediment control structures and re-grading of detention pond bottoms; if necessary, modification of sediment basin riser to convert to detention basin outlet structure.
15. Removal of temporary sediment & erosion control measures after entire area draining to the structure is finally stabilized (The department recommends that the Project Owner / Operator have the SWPPP Preparer or registration equivalent approve the removal of temporary structures.)
 - Note: Maintenance of sediment and erosion control measures must continue until the site is permanently stabilized and the controls are removed.



SF TEMPORARY SILT FENCE

N.T.S.
SHOWN AS **SF** ON PLANS



TEMPORARY DROP INLET PROTECTION

N.T.S.
NOTE: SHOWN AS **IP** ON PLANS.



AIKEN MUNICIPAL AIRPORT
AIKEN, SOUTH CAROLINA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A Unit of Michael Baker Corporation
Columbia, South Carolina
and other Major U.S. Cities



Designer: KLM/CKM	Checked by: CHM
Technician: CKM	Project Number: 121913

REVISIONS			
No.	Description	Date	By

Project Name:
**RUNWAY 7
GLIDE SLOPE PROJECT
BID PACKAGE NO. 1**

Drawing Name:
**EROSION CONTROL
DETAILS NO. 1**

FAA A.I.P. Project Number:	
Date: AUGUST, 2011	Division: AIRPORTS
Scale: NTS	Sheet Number:
	Drawing Number: EC-1